

## Cellodextrinase 5A from Ruminococcus flavefaciens, Recombinant

Cat. No. NATE-1449

Lot. No. (See product label)

### Introduction

#### Description

Glucan 1,4-beta-glucosidase (or 4-beta-D-glucan glucohydrolase) is an enzyme that catalyses the hydrolysis of (1->4)-linkages in 1,4-beta-D-glucans and related oligosaccharides, removing successive glucose units. This is one of the cellulases, enzymes involved in the hydrolysis of cellulose and related polysaccharides; more specifically, an exocellulase, that acts at the end of the polysaccharide chain.

#### Synonyms

exo-1,4- $\beta$ -glucosidase; exocellulase; exo- $\beta$ -1,4-glucosidase; exo- $\beta$ -1,4-glucanase;  $\beta$ -1,4- $\beta$ -glucanase;  $\beta$ -glucosidase; exo-1,4- $\beta$ -glucanase; 1,4- $\beta$ -D-glucan glucohydrolase; glucan 1,4- $\beta$ -glucosidase; EC 3.2.1.74; Cellodextrinase

### Product Information

#### Species

Ruminococcus flavefaciens

#### Source

E. coli

#### Form

35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl<sub>2</sub>, 0.02% sodium azide and 25% (v/v) glycerol

#### EC Number

EC 3.2.1.74

#### CAS No.

37288-52-1

#### Molecular Weight

40.7 kDa

#### Purity

>90% by SDS-PAGE

#### Concentration

0.25 mg/mL

#### Optimum pH

7

#### Optimum temperature

37 °C

#### Specificity

Cellodextrins

### Storage and Shipping Information

#### Storage

This enzyme is shipped at room temperature but should be stored at -20 °C.